



# ICT Strategic Plan 2014

## Introduction

This plan should be read in conjunction with the College's current "ICT Strategic Directions" (August 2012)

## Objective

"to contribute sustainable and meaningful change to teaching and learning in Australian schools that will prepare students for further education, training and to live and work in a digital world."

The main objective of this plan is to help make Information and Communications Technologies (ICT) integral to learning by ensuring that our students have access to opportunities that engage and retain their interest in learning, providing them with the skills to enhance their learning at school and to become lifelong learners.

## Vision

It is envisioned that at MacKillop College we will have :

- a flexible learning environment for ICT
- teaching and learning which makes increasing and more effective use of ICT
- students and teachers who are highly competent and creative users of ICT who embrace new and emerging technologies.

## Context

The pace of change and the continual introduction of innovative technologies is an important consideration in the implementation of a successful learning and teaching. This plan supports the idea that it is essential to provide our students with the skills they need to best use ICT at school as well as to support them as lifelong learners. This plan reflects the belief that students need exposure to a wide range of teaching and learning styles, a wide range of tools as well as the best and most up to date technologies that the College can provide. Above all they need to be taught to be adaptable and

flexible learners and how best to use ICT tools. Thus the College aims to provide diverse experiences at school, based on the assumption that much of the software and hardware that our students will be using in the future has not yet been invented and that there will be careers in the future that will make extensive use of ICT tools that have yet to be created.

	Specific Goals	Key Activities	Resources and Specific Activities	Indicators of success	Target Dates	Cost (time or \$)
Teacher Focus	Short term “to enable learning”	Frequent and Ongoing Professional Learning Incorporate into Australian curriculum	Sharing / demonstrations at staff meetings: <ul style="list-style-type: none"> <li>• How to create and use a wiki</li> <li>• Use of blogs in classroom</li> <li>• Staff complete “ICT Competencies Booklet”</li> <li>• Subject Coordinators Forum</li> <li>• Staff continue to use Google Cloud and Google Docs.</li> <li>• Using e learning, online resources from Pearson, Jacaranda and Oxford.</li> </ul>	<ul style="list-style-type: none"> <li>• Each teacher has an online presence (wiki, blog)</li> <li>• Increased use of email as communication tool, IRIS internal messaging.</li> <li>• Reduced number of help desk tickets</li> <li>• <b>Substitution and Augmentation<sup>1</sup></b>: teachers begin to move beyond the use of technology as a substitute for traditional tools (eg. putting materials on a wiki, rather than paper handouts)</li> <li>• <b>Student centered and more project based.</b></li> </ul>	On-going in 2014	
	Long term “to further enable learning”	Ongoing professional learning	<ul style="list-style-type: none"> <li>• Sharing at staff meetings</li> <li>• Mentor programs on a needs basis. (ICT proficient teacher with teacher working towards proficiency)</li> <li>• National Curriculum: specific ICT outcomes in new curricula targeted at staff and KLA meetings</li> </ul>	<ul style="list-style-type: none"> <li>• Differentiated learning in most classrooms</li> <li>• Teachers adopt new strategies in classroom and not just substitute an existing tool with an ICT tool</li> <li>• Teachers spending more “one on one” time with students where required</li> <li>• <b>Modification and Redefinition</b>: teachers begin</li> </ul>	On going in 2014	Staff meetings Professional development days

				<p>to modify the learning tasks given to students</p> <ul style="list-style-type: none"> <li>• by 2014 a noticeable use of differentiated learning (marked reduction in transmission style teaching)</li> <li>• Use of video conferencing to dialogue with other schools. KLA Sharing.</li> </ul>		
Student Focus	Short term “to enable learning”	Identify ICT outcomes in current programs and adapt / add as needed	<ul style="list-style-type: none"> <li>• Students make presentations (Keynote, Powerpoint) rather than printing them for the teacher to mark.</li> <li>• Teachers accept and mark student work in digital format</li> <li>• BYO iPad in Years 7/8; school provided in Years 9-12.</li> <li>• Project based learning.</li> </ul>	<ul style="list-style-type: none"> <li>• Increased engagement of students in their learning.</li> <li>• Increased use of wikis and blogs.</li> <li>• Raise the level of achievement in NAPLAN and HSC. ICAS testing as indicator of knowledge and skill improvement.</li> </ul>	January 2014	
	Long term “to further enable learning”			<ul style="list-style-type: none"> <li>• Increased use of problem solving and collaborative activities in classes using Google Docs and other Web 2.0 technologies</li> <li>• use of higher order skills (Synthesis and Evaluation in Bloom's Taxonomy)</li> </ul>	2014	
Admin focus	Short term		<ul style="list-style-type: none"> <li>• SAS, IRIS, VOIP to come</li> <li>• Work Health and Safety training online</li> <li>• Electronic roll marking in SAS.</li> </ul>	<ul style="list-style-type: none"> <li>• Improving the day to day workflow in the school office</li> </ul> <p>Appointment of new IT technician; greater involvement</p>	2014	

			<ul style="list-style-type: none"> <li>Forms, policies, notes etc uploaded to Notes Wiki (on intranet)</li> </ul>	in pedagogy.		
	Long term	Reduced / improved workflow	Replacement for Alice (Library cataloguing software-Oliver awaiting CEO)		2014	CEO to fund?
Physical focus Infrastructure and support	Short term	1:1 iPad in Years 9-12 provided and BYO iPad for Years 7-8. Full computers available in library and computer rooms plus MAC labs.			2014	
Physical focus Infrastructure and support		Recognition of boarding campus as integral to the academic life of the school with necessary facilities		ICT facilities allow boarding students move seamlessly from one campus to another New server needed for SJH, Perthville.	2014	
		Increase bandwidth to 50Mb to support increase in devices. Bandwidth already at 20MB.	Liaise with CEO			
		Implement VLANs and	Liaise with CEO IT team and external contractor(s) (need to do	More efficient network (QoS,)		

		802.1x	a site survey)			
		Consolidate existing IT eg Maclabs	Reduce Maclabs. Offer iPad 1 to primary schools.		End of 2012	Nil
	Long term			Improved levels of support	2014	School Levy
				Improved communication	2014	
		Moved to a BYOD model across school.			2015	

Footnote 1: Concept adapted from Dr Ruben Puentedura, “SAMR - Substitution, Augmentation; Modification, Redefinition”  
see hippasus.com (and should also be viewed in the context of Bloom’s Taxonomy)  
for more go to iTunesU: <https://itunes.apple.com/au/itunes-u/as-we-may-teach-educational/id380294705>